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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/034,578	12/28/2001	Bernhard Albeck	970266D2/TL	1795
1933	7590	06/01/2005	EXAMINER	
FRISHAUF, HOLTZ, GOODMAN & CHICK, PC			LE, THANH TAM T	
220 5TH AVE FL 16			ART UNIT	
NEW YORK, NY 10001-7708			PAPER NUMBER	
			2839	

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/034,578

Applicant(s)

ALBECK ET AL

Examiner

Thanh-Tam T. Le

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 18-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/28/01</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 19-32 are objected to because of the following informalities:

Claim 18, line 10, "said at least one inlet slot" should be -- said inlet slot --; line 11, "which extension" should be -- which said extension --; lines 14-15 are confusing; line 17, "the nominal" lacks an antecedent basis; and line 19, "the insulation" lacks an antecedent basis;

Claim 1, line 1, "the width" lacks an antecedent basis;

Claim 22, line 3, "the bottom edge" lacks an antecedent basis; and line 4, "an insertion slit" should be -- said wire receiving slit --;

Claim 24, line 3, "a wire" should be -- said wire --;

Claim 26, "the housing walls" lacks an antecedent basis; lines 1-3 are confusing, which's one is formed with clamping surfaces? Walls or the extension? line 4, "a wire" should be -- said wire --;

Claim 29, line 1, "the outer dimensions" lacks an antecedent basis; lines 2 and 3, "the housing portions" lacks an antecedent basis;

Claim 30, line 1, "the terminal housing" should be -- the housing --; line 4 and line 6, "adjacent terminals" should be -- said adjacent terminals --;

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 18-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Tillotson (4,512,620).

Tillotson, figures 1 and 2, discloses a terminal (2) comprising:

- a contacting zone (31) having an insulation piercing slit blade connector (SBIPC) (29) located therein;
- an insulating housing (4) formed with an inlet slot (not shown) to receive a wire (45) and retaining the SBIPC with an wire receiving slit (39, figure 2) aligned with the inlet slot;

wherein the housing being formed with a slot/extension projecting from the inlet slot; and wherein the slot/extension, at least in part, having a width is larger than the outer diameter of the wire, including an insulation of the wire.

Regarding claim 19, figure 2, the contacting zone is formed by a pair of projections (30) facing to each other, wherein the terminal is formed with spaced walls (14) extending away from the SBIPC in a direction essentially perpendicular to the SBIPC, the pair of projections being integral with the walls.

Regarding claim 20, figure 1, the walls are formed with facing projecting portions (16), a reception slot (not shown) for the wire.

Regarding claim 21, figure 2, a width of the projection portions is smaller than the nominal diameter of the wire including the insulation.

Regarding claim 22, figure 1, a bottom wall (22) formed on the slot/extension, wherein the bottom wall being essentially in alignment and equal to a bottom edge of the wire receiving slit of the SBIPC.

Regarding claims 23-25, figure 1, a closing wall/closing means (26) closing off the slot/extension at the side remote from the SBIPC, wherein the closing wall/closing means is frangible to permit breaking the wire and being elastically deflectable the wire.

Regarding claims 26-28, figure 1, walls (14) are formed with guide surfaces, wherein the guide surface comprising projecting portions/inclined insertion guide surface (16) located at opposite sides of the walls and facing to each other.

Regarding claims 29-30, the housing including a plurality of adjacently located terminals positions, each having a contacting zone (31), and separating walls (14) between the adjacent terminal positions are dimensioned to be a minimum with respect to required air and creep paths of the adjacent terminals.

Art Unit: 2839

4. Claims 18-19 and 31-32 are rejected under 35 U.S.C. 102(b) as being anticipated by Chen (5,372,519).

Chen, figure 2, discloses a terminal (2) comprising:

- a contacting zone (20) having an insulation piercing slit blade connector (SBIPC) (1) located therein;
- an insulating housing (4) formed with an inlet slot (a FIGURE A below) to receive a wire and retaining the SBIPC with an wire receiving slit (14) aligned with the inlet slot;

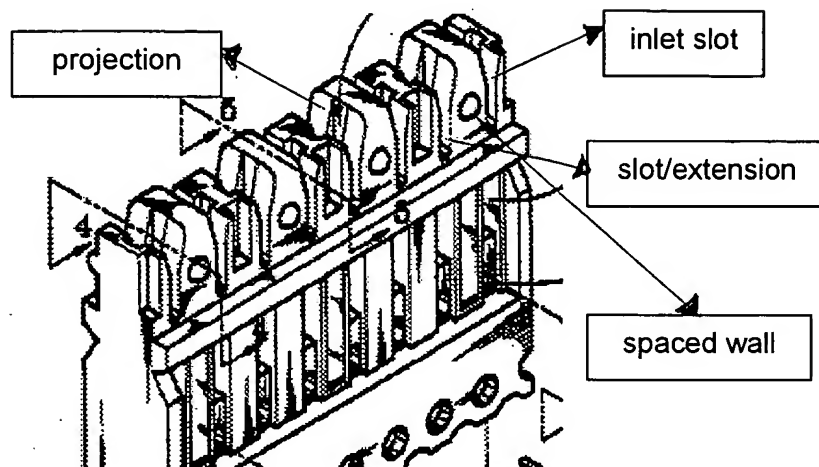
wherein the housing being formed with a slot/extension (the FIGURE A below) projecting from the inlet slot; and wherein the slot/extension, at least in part, having a width is larger than the outer diameter of the wire, including an insulation of the wire.

Regarding claim 19, figure 2, the contacting zone is formed by a pair of projections (the FIGURE A below) facing to each other, wherein the terminal is formed with spaced walls (the FIGURE A below) extending away from the SBIPC in a direction essentially perpendicular to the SBIPC, the pair of projections being integral with the walls.

Regarding claim 31, figure e6, the projections defining the inlet slot project with different dimensions at selected positions over their length (with inclined surface).

Regarding claim 32, figure 6, the slot/extension having different widths.

FIGURE A

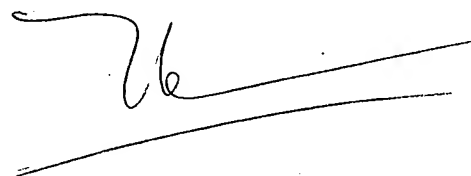


Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh-Tam T. Le whose telephone number is 571-272-2094. The examiner can normally be reached on 7:30-5:00.
6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2839

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'T. Le', is written over two horizontal lines.

Thanh-Tam T. Le
Primary Examiner
Art Unit 2839